

Senior Automation Engineer – Laboratory Automation

Job ID
REQ-10019417
Aoû 20, 2024
Etats-Unis

Résumé

The Senior Automation Engineer will be responsible for designing, developing, implementing and maintaining laboratory robotics which support exploratory biology in an automated fashion. The work will be hands-on and will require a broad range of engineering disciplines including project management, troubleshooting electrical and mechanical parts, develop protocols, liquid handling, and provide operating system validation/verification. Our focus is to design, build, maintain and improve large and small automated systems for high throughput screening, automated cell culture, and compound management.

About the Role

Internal Job Title: Senior Automation Engineer

Location: Cambridge, MA, onsite

About this role:

The Senior Automation Engineer will be responsible for designing, developing, implementing and maintaining laboratory robotics which support exploratory biology in an automated fashion. The work will be hands-on and will require a broad range of engineering disciplines including project management, troubleshooting electrical and mechanical parts, develop protocols, liquid handling, and provide operating system validation/verification. Our focus is to design, build, maintain and improve large and small automated systems for high throughput screening, automated cell culture, and compound management.

Your responsibilities include, but not limited to:

- Working with assay biologists to adapt bench assays to fully automated assays with high throughput screening systems.
- Working with Sample Management teams to support automation to deliver compounds to scientists globally and adapt and implement cutting edge technologies.
- Act as project manager for small and large scale automation projects. The successful candidate will manage, plan, develop, and execute laboratory automation projects from start-up to completion.
- Work effectively with multi-disciplinary groups and individuals to implement solutions that reflect operational efficiencies in terms of throughput, delivery, costs, as well as health, safety and environmental considerations.
- Act as a primary support engineer for laboratory automation and instrumentation within DSc in Cambridge, Ma. Responsible for the setup, operation, and maintenance of state-of-the-art high throughput (HTS) systems.

- Establish, monitor and maintain a stable and productive automation environment through QC and preventative maintenance.
- Assist in the development of SOP's, maintenance manuals, start-up procedures, etc. and provide training to new users of equipment.
- Must be self-motivated with the ability to multitask and effectively manage timelines.
- Must be able to work independently and in team situations.

Essential Requirements:

- B.S. in mechanical, electrical or bioengineering, or similar engineering discipline.
- 3-5+ years of experience using and implementing automated systems.
- Experience designing, building and deploying automated laboratory workflows in life sciences or clinical laboratories.
- Strong organizational, written, and verbal communications skills required to interact effectively between scientific staff, customers, key stakeholders, and vendors.
- Strong computer skills including MS Office and CAD (preferably SolidWorks).
- Strong troubleshooting and problem-solving skills.
- Experience working with laboratory automation, high throughput assays, and cell culture.

Desirable requirements:

- In addition to the experience above, the ideal candidate would have familiarity with the following systems and associated software: HighRes BioSolutions (Staubli/Denso/Precise) robotic platforms, Sartorius CompacT, Tecan EVO, Agilent benchtop equipment, Beckman Echo, Biosero/Green Button Go robotic platforms, GNF Director robotic platforms, etc.
- Basic understanding of C# or equivalent programming language
- Experience working with engineers and scientists to develop new automated platforms
- Experience with automated High Content Imaging systems such as the Yokogawa CV8000, Perkin Elmer Phenix, or equivalent.
- Ability to create innovative solutions to support complex biological assays at scale.
- Experience with machine tools such as mill, band saw, drill press, etc.

Why Novartis: Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: <https://www.novartis.com/about/strategy/people-and-culture>

You'll receive: You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook: <https://www.novartis.com/careers/benefits-rewards>

Commitment to Diversity and Inclusion / EEO: The Novartis Group of Companies are Equal Opportunity Employers and take pride in maintaining a diverse environment. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, gender, national origin, age, sexual orientation, gender identity or expression, marital or veteran status, disability, or any other legally protected status. We are committed to building diverse teams, representative of the patients and communities we serve, and we strive to create an inclusive workplace that cultivates bold innovation through collaboration and empowers our people to unleash their full potential.

Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between \$92,800 to \$139,200/year; however, while salary ranges are effective from 1/1/24 through 12/31/24, fluctuations in the job market may necessitate adjustments to pay ranges during

this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an “at-will position” and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here: <https://talentnetwork.novartis.com/network>

You'll receive: You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook: <https://www.novartis.com/careers/benefits-rewards>

Commitment to Diversity and Inclusion: Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: <https://talentnetwork.novartis.com/network>

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: <https://www.novartis.com/careers/benefits-rewards>

EEO Statement:

The Novartis Group of Companies are Equal Opportunity Employers who are focused on building and advancing a culture of inclusion that values and celebrates individual differences, uniqueness, backgrounds and perspectives. We do not discriminate in recruitment, hiring, training, promotion or other employment practices for reasons of race, color, religion, sex, national origin, age, sexual orientation, gender identity or expression, marital or veteran status, disability, or any other legally protected status. We are committed to fostering a diverse and inclusive workplace that reflects the world around us and connects us to the patients, customers and communities we serve.

Accessibility & Reasonable Accommodations

The Novartis Group of Companies are committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the application process, or to perform the essential functions of a position, please send an e-mail to us.reasonableaccommodations@novartis.com or call +1(877)395-2339 and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Division
Biomedical Research
Business Unit
Pharma Research
Emplacement
Etats-Unis
Site
Cambridge (USA)
Company / Legal Entity
U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.
Functional Area
Recherche & Développement
Job Type
Full time
Employment Type
Regular
Shift Work
No
[Apply to Job](#)

Job ID
REQ-10019417

Senior Automation Engineer – Laboratory Automation

[Apply to Job](#)

Source URL: <https://prod1.adacap.com/careers/career-search/job/details/req-10019417-senior-automation-engineer-laboratory-automation>

List of links present in page

1. <https://www.novartis.com/about/strategy/people-and-culture>
2. <https://www.novartis.com/careers/benefits-rewards>
3. <https://talentnetwork.novartis.com/network>
4. <https://www.novartis.com/careers/benefits-rewards>
5. <https://www.novartis.com/about/strategy/people-and-culture>
6. <https://talentnetwork.novartis.com/network>
7. <https://www.novartis.com/careers/benefits-rewards>
8. <mailto:us.reasonableaccommodations@novartis.com>
9. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/Cambridge-USA/Senior-Automation-Engineer---Laboratory-Automation_REQ-10019417
10. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/Cambridge-USA/Senior-Automation-Engineer---Laboratory-Automation_REQ-10019417

